	Application No. Applicant(s)		
Notice of Allowability	09/095,639	95,639 POZZILLI, PAOLO	
	Examiner	Art Unit	
	That's A ALT		
	Thái-An N. Ton	1632	***************************************
The MAILING DATE of this communication of All claims being allowable, PROSECUTION ON THE MERITA herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED in 85) or other appropriate commu I T RIGHTS. This application is s	this application. If not include	ed
 This communication is responsive to 8/14/03. The allowed claim(s) is/are 28-51. The drawings filed on 11 June 1998 are accepted by the Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 	he Examiner. / under 35 U.S.C. § 119(a)-(d) or	(f).	
 Certified copies of the priority documents 			
Certified copies of the priority documents			
Copies of the certified copies of the priority	y documents have been received	l in this national stage applicati	ion from the
International Bureau (PCT Rule 17.2(a))).		
* Certified copies not received:			
 Acknowledgment is made of a claim for domestic priori 	ity under 35 U.S.C. § 119(e) (to a	provisional application).	
(a) The translation of the foreign language provision	nal application has been received	l.	
Acknowledgment is made of a claim for domestic priori	ty under 35 U.S.C. §§ 120 and/o	r 121.	
Applicant has THREE MONTHS FROM THE "MAILING DATE below. Failure to timely comply will result in ABANDONMEN"	of this application. THIS THRE	EE-MONTH PERIOD IS NOT E	EXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which gives 	ubmitted. Note the attached EXA reason(s) why the oath or declar	MINER'S AMENDMENT or No ation is deficient.	OTICE OF
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Drafts 1) ☐ hereto or 2) ☐ to Paper No 	sperson's Patent Drawing Review	ν (PTO-948) attached	
(b) including changes required by the proposed drawing	ing correction filed	. hea hear	
(c) including changes required by the attached Exami	iner's Amendment / Comment or	in the Office setting of Department	taminer.
Identifying indicia such as the application number (see 37 CF each sheet.	FR 1.84(c)) should be written on the	e drawings in the front (not the t	oack) of
9. DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREMENT FO	eposit of BIOLOGICAL MATE R THE DEPOSIT OF BIOLOGIC	RIAL must be submitted. No AL MATERIAL.	ote the
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948 Information Disclosure Statements (PTO-1449), Paper No. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4 Interview b. 6 Examiner t 8 Examiner 9 Other	Informal Patent Application (P Summary (PTO-413), Paper N s Amendment/Comment s Statement of Reasons for Al	lo
U.S. Patent and Trademark Office		DEBORAH CROUCH	

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST

be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone

interview with James Costigan on October 31, 2003.

The application has been amended as follows:

In the claims:

1. Replace claim 28 with the following:

28. A dietary or pharmaceutical product, said product comprising at least

one bovine beta casein selected from the group consisting of

recombinant or synthetic beta-caseins which do not contain the

sequences: Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-

Pro (SEQ ID NO: 2).

2. Replace claim 29 with the following:

29. The product according to claim 28 wherein in the sequences Pro-Gly-

Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO: 2),

the sequences are modified by the steps of:

a) removal of said sequences;

b) substitution of said sequences by the sequence Val-Glu-Pro-Ile-

Pro (SEQ ID NO: 6); or

c) a combination of steps a) or b).

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- 3. In claim 30, line 2 insert the term beta before the term caseins.
- 4. In claim 31, line 2 insert the term beta after the term bovine.
- 5. In claim 31, line 3 delete the phrase, "or fragments thereof".
- 6. In claim 31, line 5 insert the term beta- after the term vegetable.
- 7. In claim 32, line 2 insert the term beta before the term casein.
- 8. In claim 32, line 4 insert the term beta before the term casein.
- 9. In claim 32, line 7 insert the term beta- before the term casein.
- 10. Replace claim 33 with the following:
 - 33. A method for the inhibition of the inductive effect of beta case on insulin-dependent diabetes comprising the step of administering to newborns and infants an infant formula free of beta case inst that exhibit molecular mimicry with protein GLUT2.
- 11. In claim 34, line 3 insert the term beta before the term caseins.
- 12. Replace claim 35 with the following:
 - 35. A method for the inhibition of the inductive effect of beta case on insulin-dependent diabetes in infants and newborns comprising the step of administering an infant formula comprising at least one beta-case selected from the group consisting of naturally occurring, recombinant, synthetic animal or vegetable beta-case ins not containing the sequences: Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO: 2).
- 13. In claim 36, delete the phrase, "and its fragments" in line 2.
- 14. In claim 36, line 5, insert the term beta before caseins.
- 15. In claim 36, line 6, insert the term beta before casein.
- 16. In claim 36, line 8, insert the term beta- before casein.

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- 17. In claim 36, line 12, insert the term beta before casein.
- 18. Replace claim 37 with the following:
 - 37. A product comprising at least one bovine beta-case in selected from the group consisting of recombinant or synthetic beta-case ins which do not contain the sequences: Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO: 2).
- 19. Replace claim 38 with the following:
 - 38. The product according to claim 37 wherein in the sequences Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO: 2), the sequences are modified by the steps of:
 - a) removal of said sequences;
 - b) substitution of said sequences by the sequence Val-Glu-Pro-Ile-Pro (SEQ ID NO: 6); or
 - c) a combination of steps a) or b).
- 20. In claim 39, line 1 insert the term beta before the term caseins.
- 21. In claim 40, line 2 delete the phrase, "or fragments thereof".
- 22. In claim 40, line 4 insert the term beta before the term caseins.
- 23. In claim 41, line 2 insert the term beta before the term casein.
- 24. In claim 41, line 4 insert the term beta before the term casein.
- 25. In claim 41, line 7 insert the term beta- before the term casein.
- 26. In claim 42, line 1, delete the term "modified" and in line 2, delete the phrase, "or fragments thereof".
- 27. In claim 42, line 3 insert the term beta- before the term caseins.
- 28. Replace claim 43 with the following:
 - 43. The product according to claim 42 wherein in the sequences Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO: 2), the sequences are modified by the steps of:
 - a) removal of said sequences;

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- b) substitution of said sequences by the sequence Val-Glu-Pro-Ile-Pro (SEQ ID NO: 6); or
- c) a combination of steps a) or b).
- 29. In claim 44, line 1 insert the term beta before the term casein.
- 30. In claim 45, line 2 delete the phrase, "or fragments thereof".
- 31. In claim 45, line 2, insert the term beta before the term casein, and in line 4 insert the term beta before the term caseins.
- 32. In claim 46, line 2 insert the term beta before the term casein.
- 33. In claim 46, line 3 insert the term beta before the term casein.
- 34. In claim 46, line 7 insert the term beta before the term casein.
- 35. In claim 47, line 3 delete the term "immunogenic".
- 36. In claim 47, line 4 insert the term beta before the term caseins.
- 37. Replace claim 48 with the following:
 - 48. The method according to claim 47 wherein the sequences Pro-Gly-Pro-Ile-His (SEQ ID NO: 1) and Pro-Gly-Pro-Ile-Pro (SEQ ID NO:
 - 2), the sequences are modified by the steps of:
 - a) removal of said sequences;
 - b) substitution of said sequences by the sequence Val-Glu-Pro-Ile-Pro (SEQ ID NO: 6); or
 - c) a combination of steps a) or b).
- 38. In claim 49, line 1 insert the term beta before the term caseins.
- 39. In claim 50, line 2 insert the term beta before the term casein.
- 40. In claim 50, line 2 delete the phrase, "or fragments thereof".
- 41. In claim 50, line 4 insert the term beta before the term caseins.
- 42. In claim 51, line 1 insert the term beta- after the term recombinant.
- 43. In claim 51, line 3 insert the term beta before the term casein.
- 44. In claim 51, line 7 insert the term beta before the term casein.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thái-An N. Ton whose telephone number is (703) 305-1019. The examiner can normally be reached on Monday through Friday from 8:00 to 5:00 (Eastern Standard Time), with alternating Fridays off. Should the examiner be unavailable, inquiries should be directed to Deborah Reynolds, Supervisory Primary Examiner of Art Unit 1632, at (703) 305-4051. Any administrative or procedural questions should be directed to William Phillips, Patent Analyst, at (703) 305-3482. Papers related to this application may be submitted to Group 1600 by facsimile transmission. Papers should be faxed to Group 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CM1 Fax Center number is (703)-872-9306.

TNT Thái-An N

Thái-An N. Ton Patent Examiner Group 1632

DEBORAH CROUCH PRIMARY EXAMINER GROUP 1800

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